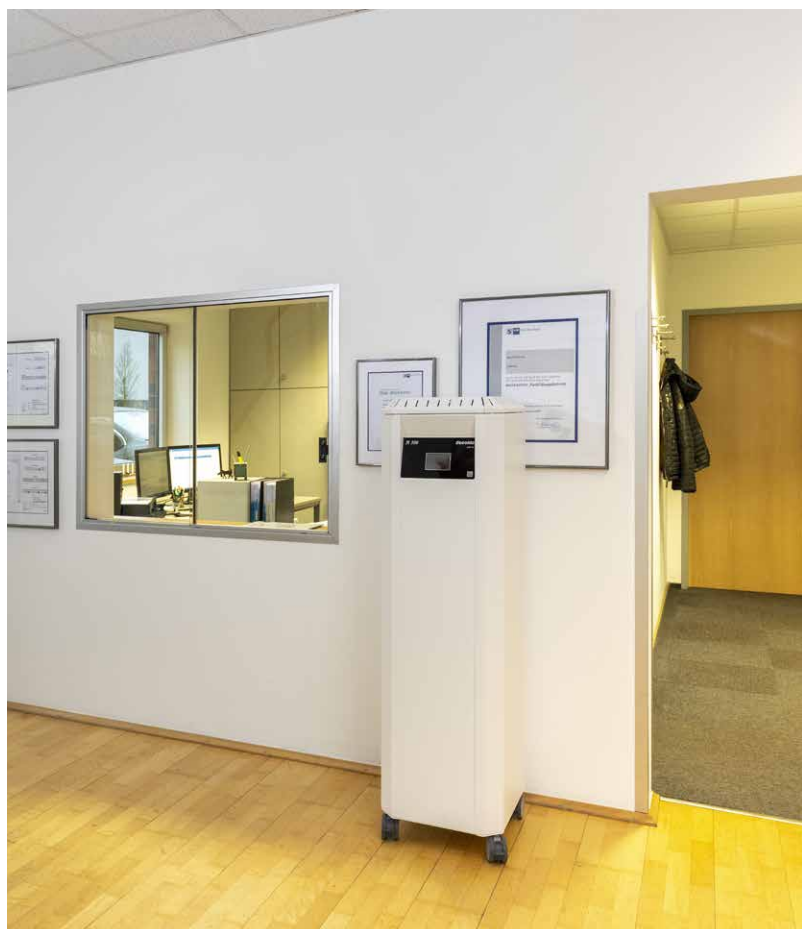


# Professional air cleaners



type

R Mini

R 300

R 150

R 500





## Professional air cleaners

The air in every room contains invisible contaminants: dust, pollen, bacteria and even virus particles. The adverse effects are generally limited in well ventilated rooms. However, most rooms are not well ventilated and many different people can come together in the same place on a regular basis. For example, sports clubs, waiting rooms, treatment rooms, shops, churches, schools, offices or even your living room at home.

Installing an air cleaner is the best way of reducing or eliminating hay fever, dust mite allergy, asthma complaints and the risk of infection with a virus (such as the coronavirus), or getting rid of unpleasant odours. Furthermore, air cleaners can greatly reduce the risk of contracting infectious diseases. The German Fraunhofer Institute has measured the effect of placing air cleaners in indoor spaces. The test conducted by this institute with a surrogate COVID-19 virus showed that the air purifiers removed 99.43% of the virus particles from the air. This report is available from Dehaco on request.





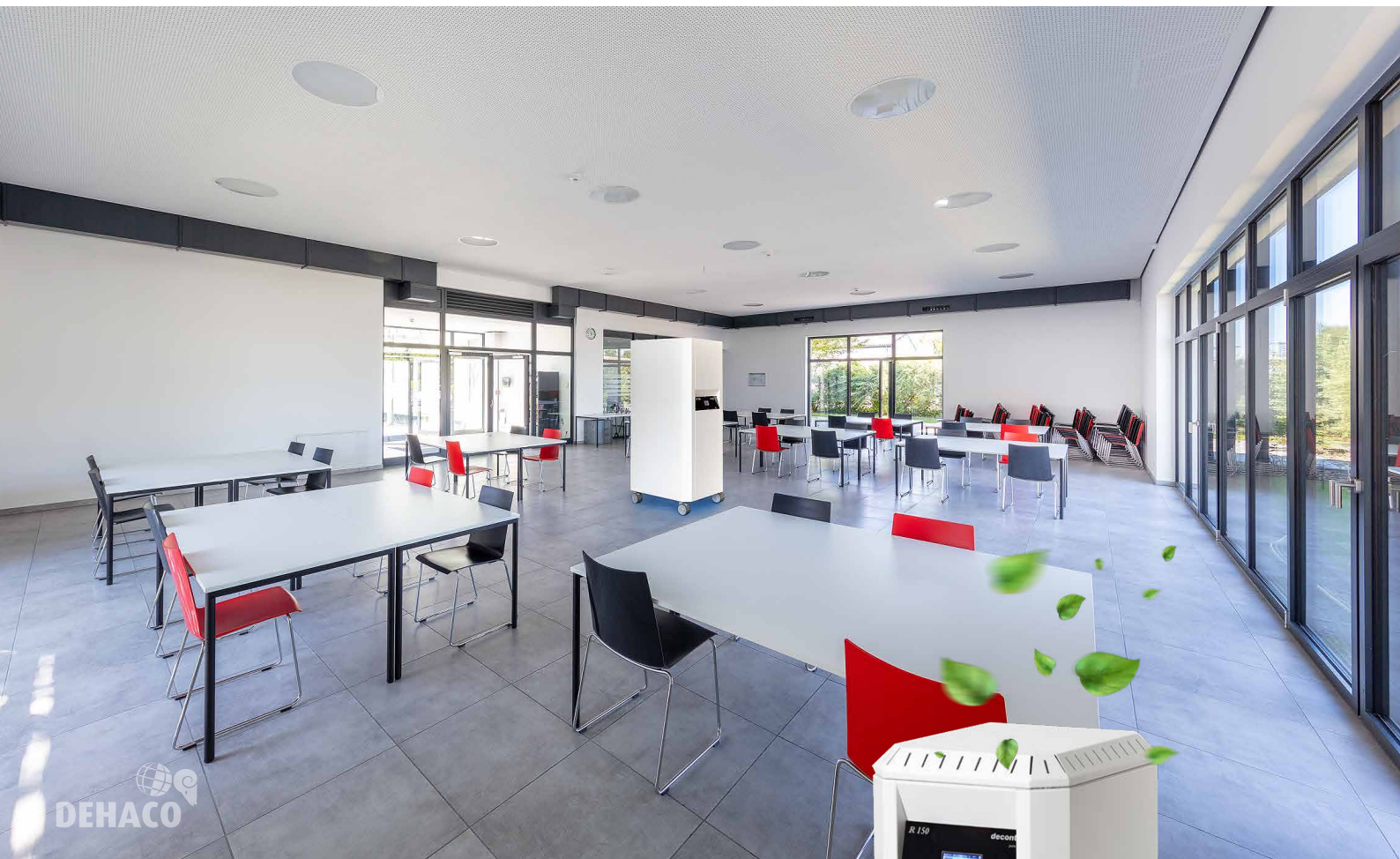
## So where can air cleaners be used?

The list below is far from complete. Basically, air cleaners can be used to improve air quality in nearly all indoor spaces:

Government institutions  
Bars  
Canteens  
Sports complexes,  
gymnasiums  
Hairdressing salons  
Hospitals  
Hotels, hotel rooms  
Day nurseries

Laboratories  
Living rooms  
Medical practices  
Museums  
Nail studios  
Offices  
Private areas  
Public areas  
Reception areas

Restaurants  
Nursing homes  
Churches  
Schools  
Therapy rooms  
Universities  
Waiting rooms



Air cleaners remove the following contaminants:

Aerosols  
Virus particles (e.g. coronavirus)  
Bacteria  
Allergens  
Dust mites  
Hair from pets  
Irritants  
Pollen  
Fungal spores  
Dust



R 150

type R Mini



# Deconta R Mini air cleaner

*compact and efficient, suitable for rooms up to 65 m<sup>2</sup>*

The R Mini is an efficient and compact air cleaner made by Deconta in Germany. Its compact dimensions make this machine ideal for small meeting rooms, offices, home office workspaces or waiting rooms.

The machine consists of a quiet, energy-efficient fan and a 2-stage filter unit with a HEPA filter that removes aerosols, dust particles, viruses and bacteria in accordance with the requirements of EN 1822 H13. All the components are mounted inside a robust housing.



- Energy-efficient, quiet and optimised high-capacity fan
- Lightweight and stable housing
- HEPA filter to EN 1822 H13
- Easy filter-change procedure
- Visual indication when the filter needs to be changed
- Infinitely variable speed control 0 – 100%
- Automatic soft-start
- Suitable for rooms up to 65 m<sup>2</sup>

## Technical specifications, R Mini

Dimensions (l x w x h)	375 x 463 x 600 mm
Weight	14 kg
Electrical supply	230 V / 16 A / 50 Hz / 210 W
Filters	HEPA filter to EN 1822 H13 (including certificate)
Filter efficiency	99.95%
Airflow (100%)	700 m <sup>3</sup> /h
Filter change after	8800 hours (HEPA filter)
UV-C lamps	No
Noise level dB(A)	
50%	48 dB(A)
100%	62 dB(A)
Item number	5410.0077



type R 150 - R 300 - R 500



# Deconta R 150, R 300 and R 500 air cleaners

*stylish and quiet, suitable for rooms from 150 to 800 m<sup>2</sup>*

The R Series air cleaners are neatly packaged in a stylish and solid housing. The multi-stage filter design used for these quiet, powerful and professional units makes them suitable for a wide variety of room types and sizes.

As standard, the R Series units are equipped with an HEPA H13 filter for capturing very fine particles and also include UV-C lamps that neutralise micro-organisms. If required, the unit can be equipped with an additional activated carbon filter to remove unpleasant odours and an extra HEPA filter for a higher efficiency.



- Touchscreen operation
- Programmable day and night schedule
- Energy-efficient, quiet and optimised high-capacity fan
- Stylish machine
- Lightweight and stable housing
- HEPA filter to EN 1822 H13
- Including UV-C lamps
- Additional activated carbon filter *available as an optional extra for the R 150 and R 300*
- Easy filter-change procedure
- Visual indication when the filter needs to be changed
- Infinitely variable speed control 0 – 100%
- Automatic soft-start
- Optionally available: touchscreen with mechanical lock



## How UV-C works

The R 150, R 300 and R 500 air cleaners incorporate UV-C lamps fitted in front of the HEPA filter. These lamps neutralise all the virus particles and bacteria captured on the surface of the HEPA filter.

There are three categories of UV light; specifically UV-A (315 nm - 420 nm), UV-B (280 - 315 nm) and UV-C. UV-C is the most powerful form due to its short wavelength of 200 nm - 280 nm. Viruses and bacteria can only tolerate a wavelength of 253.7 nm and above. Because the wavelength of UV-C starts at 200 nm, virus particles and bacteria are compromised and neutralised on exposure to this form of UV light. This makes UV-C light ideal for rendering viruses and aerosols harmless.





type R 150 - R 300 - R 500





### Air cleaner operation

In the standard version, the air is drawn in from the room and then passed through a pre-filter, switchable UV-C lamps and a built-in HEPA filter to remove any aerosols, dust, virus particles, pollen, bacteria and micro-organisms contained in the air.

### Optional: Additional activated carbon filter\* and HEPA filter

HEPA filters capture 99.95% of the very fine particle component in the air, such as dust, virus particles, pollen and bacteria. When fitted with an additional HEPA filter, this air cleaner can also be used in a medical setting.



\*Additional activated carbon filter only available for the R 150 and R 300

### Technical specifications, R 150 - R 300 - R 500

Type	R 150	R 300	R 500
Size	393 x 463 x 950 mm	393 x 463 x 1420 mm	700 x 700 x 1800 mm
Weight	22.0 kg	33.0 kg	150.0 kg
Electrical supply	230 V / 16 A / 50 Hz		
Filters	HEPA filter (large) Pre-filter	HEPA filter (large) Pre-filter	HEPA filter (large) Pre-filter
Filter efficiency	99.95%	99.95%	99.95%
Airflow (100%)	1062 m <sup>3</sup> /h	1550 m <sup>3</sup> /h	5000 m <sup>3</sup> /h
Filter change after	8800 hours (HEPA filter)	8800 hours (HEPA filter)	8800 hours (HEPA filter)
UV-C lamps	Yes		
Noise level dB(A)	44 dB(A) 25% 50% 75% 100%	50 dB(A)  62 dB(A)	47 dB(A)  66 dB(A)
Item number	5410.0073	5410.0076	5410.0075





# Air cleaner overview

## Models and consumables



type R Mini  
item no. 5410.0077 standard



type R 150  
item no. 5410.0073 standard  
item no. 5430.0139 with optional  
activated carbon filter



type R 300  
item no. 5410.0076 standard  
item no. 5430.0139 with optional  
activated carbon filter



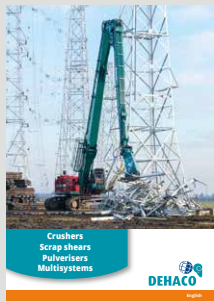
type R 500  
item no. 5410.0075 standard



Pre-filter



HEPA filter



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